

Serial Nr.: 10/748,877
Art Unit: 2838

03241-URS

AMENDMENTS TO THE CLAIMS:

1. (Cancelled).
2. (New) An electronic power supply for a high frequency load, comprising:
 - a power input section receiving input power at a low AC frequency from a power line input, said power input section comprising a double rectifier with two storage elements, and an isolating element having a first end connected to said double rectifier and a second end connected to said power line input;
 - a high frequency section receiving power from said power input section and providing high frequency current to said high frequency load, said high frequency section having two switching devices connected to an output node and each switching device being connected in parallel with a diode; and
 - an output and feedback circuit including an inductor and a capacitor, said inductor having a first end connected to said output node and a second end connected to a first end of said high frequency load, and said capacitor having a first end connected to a second end of said high frequency load and a second end connected to said first end of said isolating element.
3. (New) The electronic power supply for a high frequency load as claimed in claim 2, wherein said power input section further comprises a voltage protection circuit.
4. (New) The electronic power supply for a high frequency load as claimed in claim 3, wherin said voltage protection circuit includes a voltage sensing circuit for sensing a voltage value across one or both of said two storage elements and a triac device connected to said voltage sensing circuit.